**APPROVED**

**Minutes of the Special Technical Advisory Committee (TAC) Meeting – Webex Only**

**Friday, June 7, 2024 – 9:30 a.m.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | |  | | |  | | |
| *TAC Representatives:* |  | | |  | | | |
| Barnes, Bill | Reliant Energy Retail Services (Reliant) | | |  | | | |
| Blakey, Eric | Pedernales Electric Cooperative (PEC) | | |  | | | |
| Bonskowski, Ned | Luminant Generation (Luminant) | | |  | | | |
| Carpenter, Jeremy | Tenaska Power Services (Tenaska) | | |  | | | |
| Dreyfus, Mark | City of Eastland | | |  | | | |
| Franklin, Russell | Garland Power and Light (GP&L) | | |  | | | |
| Gaytan, Jose | Denton Municipal Electric (DME) | | |  | | | |
| Haley, Ian | Morgan Stanley | | |  | | | |
| Hanson, Kevin | National Grid (NG) Renewables | | |  | | | |
| Helton, Bob | ENGIE North America (ENGIE) | | |  | | | |
| Hendrix, Chris | Demand Control 2 | | |  | | | |
| Holt, Blake | Lower Colorado River Authority (LCRA) | | |  | | | |
| Kee, David | CPS Energy | | |  | | | |
| Martin, Collin | Oncor Electric Delivery (Oncor) | | |  | | | |
| Mercado, David | CenterPoint (CNP) | | |  | | | |
| Nix, Keith | Texas-New Mexico Power Company (TNMP) | | |  | | | |
| Packard, John | South Texas Electric Cooperative (STEC) | | |  | | | |
| Pokharel, Nabaraj | Office of Public Utility Counsel (OPUC) | | |  | | | |
| Ross, Richard | AEP Service Corporation (AEPSC) | | |  | | | |
| Sams, Bryan | Calpine Corporation (Calpine) | | |  | | | |
| Schubert, Eric | Lyondell Chemical | | |  | | | |
| Smith, Caitlin | Jupiter Power | | |  | | | |
| Surendran, Resmi | Shell Energy North America (SENA) | | |  | | | |
| Thomas, Shane | SENA | | | Alt. Rep. for Resmi Surendran | | | |
| Wise, Mike | Golden Spread Electric Cooperative (GSEC) | | |  | | | |
|  | | |  | |  | |
|  | |  | | |  | |

The following proxies were assigned:

* Eric Goff to Nabaraj Pokharel
* Garret Kent to Eric Schubert
* Bill Barnes to Chris Hendrix
* Jennifer Schmitt to Chris Hendrix
* Jay Harpole to Chris Hendrix
* David Kee to Alicia Loving

*Guests:*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Allen, Thresa | Avangrid Renewables | |  | |
| Anderson, Lyrae | Akuo Energy | |  | |
| Andrus, Sydney | PGR | |  | |
| Bansal, Apoorva | NextEra Energy | |  | |
| Beckman, Kara | NextEra Energy | |  | |
| Benson, Mariah | Texas Public Power Association (TPPA) | |  | |
| Bevill, Rob | TNMP | |  | |
| Bisgard, Anders | Avangrid Renewables | |  | |
| Bivens, Carrie | NextEra Energy | |  | |
| Blackburn, Don | Hunt Energy Network | |  | |
| Block, Lauri | L Block Consulting | |  | |
| Boggs, Callie | Eric Winters Goff, LLC | |  | |
| Briggs, Lindsay | EPE Consulting | |  | |
| Burke, Tom | RWE Renewables | |  | |
| Carter, Cathey | GridAxon | |  | |
| Chan, Vanessa | Enel | |  | |
| Chavez, Andrea |  | |  | |
| Childress, John | kWantix | |  | |
| Chwialkowski, Todd | EDF Renewables | |  | |
| Clark, Jack | Spearmint Energy | |  | |
| Cortez, Sarai | Trailstone | |  | |
| Cox, Jason | EQ Energy Advisors | |  | |
| Creekbaum, Taylor | Onward Energy | |  | |
| Davis, Derrick | Texas Reliability Entity (Texas RE) | |  | |
| Detelich, David | CPS Energy | |  | |
| Dharme, Neeraja | EDFT | |  | |
| Dietert, Cole | EPE Consulting | |  | |
| Donohoo, Ken | OwlERC | |  | |
| Downy, Marty | Luminant | |  | |
| Garrett, Bob | Key Capture Energy | |  | |
| George, Ian |  | |  | |
| Glenn, David | Avangrid Renewables | |  | |
| Goff, Eric | NextEra Energy Resources | |  | |
| Griffiths, Meghan | Jackson Walker | |  | |
| Guo, Chenyan | NextEra Energy | |  | |
| Hale, Josh | Southern Power | |  | |
| Hall, Matthew | Invenergy | |  | |
| Harvey, Julia | Texas Electric Cooperatives (TEC) | |  | |
| Hawkins, Megan | GE | |  | |
| Headrick, Bridget | CES | |  | |
| Henderson, Robert | Invenergy | |  | |
| Henry, Mark | Texas RE | |  | |
| Hering, David | BTU | |  | |
| Hjaltman, Courtney | OPUC | |  | |
| Hughes, Lindsey | ENGIE | |  | |
| Huynh, Thuy | Potomac Economics | |  | |
| Ingraham, Deborah | Acciona Energy | |  | |
| Jamar, Ben | ECI | |  | |
| Jewell, Michael | Jewell and Associates | |  | |
| Jha, Monica | Vistra | |  | |
| Johnson, Natalie | Enel | |  | |
| Jones, Liz | Oncor | |  | |
| Jowlabar, Nicholas | RWE | |  | |
| Kaepplinger, Ashley | Enel | |  | |
| Keen, Chris | Granicus | |  | |
| Keller, Jenna | Potomac Economics | |  | |
| Kemper, Jason | EDFR | |  | |
| Khatib, Mohamed El | Invenergy | |  | |
| Kilroy, Taylor | TPPA | |  | |
| Kunkel, Dennis | AEP | |  | |
| Lauer, Hannah | Avangrid Renewables | |  | |
| Lee, Jim | CNP | |  | |
| Loew, Beverly | Eric Winters Goff, LLC | |  | |
| Lotter, Eric | GridMonitor | |  | |
| Luckey, Nicole | Invenergy | |  | |
| Lynn, William |  | |  | |
| Macias, Michael | AEP | |  | |
| Mathew, Shirley | Texas RE | |  | |
| McChesney, Mark | Oncor | |  | |
| McClellan, Suzi | Good Company Associates | |  | |
| McLaurin, Zachary | NEE | |  | |
| McMurray, Creighton | Spencer Fane | |  | |
| Miremadi, Ali | CAISO | |  | |
| Mitasev, Alex | Avangrid Renewables | |  | |
| Moore, Sylvain | Boralex, Inc. | |  | |
| Muller, Hannah | Clearway Renew | |  | |
| Nigro, Andrew | Invenergy | |  | |
| O’Neill, Jennifer | Texas Pipelines | |  | |
| Pawar, Aasawari | Orsted | |  | |
| Pearson, Kelsey | Longhorn Power | |  | |
| Penney, David | Texas RE | |  | |
| Pfefferle, Ryan | Occidental Chemical | |  | |
| Plautz, Jason | E&E News | |  | |
| Quint, Ryan | Elevate Energy | |  | |
| Richmond, Michele | Texas Competitive Power Advocates (TCPA) | |  | |
| Ritch, John | Trafigura | |  | |
| Rochelle, Jennifer | CES | |  | |
| Rogers, Donald | Avangrid | |  | |
| Ruehl, John | Deriva Energy | |  | |
| Ryall, Jean |  | |  | |
| Scott, Kathy | CNP | |  | |
| Sersen, Juliana | Baker Botts | |  | |
| Shaffer, Jarred | Office of Texas Governor Greg Abbott | |  | |
| Sickafoose, Lauren | EDF Energy | |  | |
| Siddiqi, Shams | Crescent Power Consulting | |  | |
| Sirhan, Andre |  | |  | |
| Sisk, Lindy | IEEE | |  | |
| Smith, Chase | Southern Power | |  | |
| Snyder, Bill | AEP Texas | |  | |
| Sweet, Regina | Onward Energy | |  | |
| Tay, Sing | AES | |  | |
| Teng, Shuye | Constellation | |  | |
| Thompson, Marie | Southern Power | |  | |
| True, Roy | ACES | |  | |
| Turner, Lucas | STEC | |  | |
| Utomi, Samuel | Leeward Energy | |  | |
| Valentine, Bobby |  | |  | |
| Velasquez, Ivan | Oncor | |  | |
| Villasana, Kristi | NBU | |  | |
| Wagner, Julia | PUCT | |  | |
| Walker, Floyd | PUCT | |  | |
| Wang, Shawn | Enel | |  | |
| Webking, Cathy | Spencer Fane | |  | |
| Wharton, Matthew | PJM | |  | |
| Wheeler, Michele | NextEra Energy | |  | |
| Wilson, Frank | NEC | |  | |
| Withrow, David | AEP | |  | |
| Wittmeyer, Bob | Longhorn Power | |  | |
| Woods, Brad | Texas RE | |  | |
| Wyman, Constance |  | |  | |
| Yeung, Charles | SPP | |  | |
| Zang, Hailing | TC Energy | |  | |
| Zito, David | Gabel Associates | |  | |
|  | |  | |  |
| *ERCOT Staff:* | |  | |  |
| Albracht, Brittney | |  | |  |
| Anderson, Troy | |  | |  |
| Carswell, Cory | |  | |  |
| Clifton, Suzy | |  | |  |
| Cyphers, Darrell | |  | |  |
| Day, Betty | |  | |  |
| Du, Pengwei | |  | |  |
| Dwyer, Davida | |  | |  |
| Fohn, Douglas | |  | |  |
| Gallo, Andrew | |  | |  |
| Garcia, Freddy | |  | |  |
| Gonzalez, Ino | |  | |  |
| Gravois, Patrick | |  | |  |
| Guiyab, Rochie | |  | |  |
| Hanson, Pamela | |  | |  |
| Hartmann, Jimmy | |  | |  |
| Herrera, Shane | |  | |  |
| Hobbs, Kristi | |  | |  |
| Horton, Shana | |  | |  |
| Levine, Jon | |  | |  |
| Luker, Bryan | |  | |  |
| Maggio, Dave | |  | |  |
| Mago, Nitika | |  | |  |
| Mantena, Dan | |  | |  |
| Matlock, Robert | |  | |  |
| Miller, Megan | |  | |  |
| Parakkuth, JP | |  | |  |
| Phillips, Cory | |  | |  |
| Rainwater, Kim | |  | |  |
| Rickerson, Woody | |  | |  |
| Schmall, John | |  | |  |
| Seely, Chad | |  | |  |
| Smith, Ira | |  | |  |
| Solis, Stephen | |  | |  |
| Thompson, Chad | |  | |  |
| Troublefield, Jordan | |  | |  |
| Wasik-Gutierrez, Erin | |  | |  |
| Woodfin, Dan | |  | |  |
| Zeplin, Rebecca | |  | |  |
| Zerwas, Rebecca | |  | |  |
| Zhang, Bryan | |  | |  |

*Unless otherwise indicated, all Market Segments participated in the votes.*

Caitlin Smith called the June 7, 2024 meeting to order at 9:30 a.m.

Antitrust Admonition

Ms. Smith directed attention to the displayed Antitrust Admonition and noted that the Antitrust Guidelines are available for review on the ERCOT website.

Nodal Operating Guide Revision Request (NOGRR) 245, Inverter-Based Resource (IBR) Ride-Through Requirements (see Key Documents)[[1]](#footnote-2)

Stephen Solis reviewed the 6/5/24 ERCOT comments to NOGRR245.

**Richard Ross moved to recommend approval of NOGRR245 as recommended by TAC in the 3/27/24 TAC Report as amended by the 6/5/24 ERCOT comments. Mike Wise seconded the motion.** Ned Bonskowski reviewed the 6/6/24 Luminant comments to NOGRR245. Eric Goff reviewed the 6/6/24 Joint Commenters 2 comments to NOGRR245. Some participants and ERCOT Staff expressed concerns that there was not sufficient time to thoroughly review the 6/6/24 Joint Commenters 2 comments, noting that the revisions significantly deviated from the redlines previously reviewed at the May 31, 2024 Special TAC meeting and warned certain changes proposed by the Joint Commenters 2 would require analysis to understand the implications. In response to participants questions and concerns, Chad Seely reviewed the Revision Request timeline for NOGR245 consideration at the June 17, 2024 Reliability and Market Committee meeting and June 18, 2024 ERCOT Board (Board) meeting. Participants further discussed the issues and highlighted areas of compromise in the 6/5/24 ERCOT comments and 6/6/24 Joint Commenters 2 comments, and areas of disagreement that largely focused on provisions related to physical/ hardware changes to equipment and the exemption process, including the conditions under which exemptions would be denied. ERCOT Staff and certain participants expressed concern that the 6/6/24 Joint Commenters 2 comments fail to address the reliability risk, and the Board and Public Utility Commission of Texas (PUCT) concerns.

**Chris Hendrix moved to table NOGRR245. The motion failed for lack of second.** Market Participants further discussed the issues and offered edits to the 6/5/24 ERCOT comments to incorporate language revisions reflected in the 6/6/24 Luminant comments; defer the implementation of provisions related to physical/ hardware changes to March 1, 2025 to provide additional time for continued discussions on these provisions in the stakeholder process; and a revision to paragraph (8) of Section 2.9.1, Voltage Ride-Through Requirements for Transmission-Connected Inverter-Based Resources (IBRs), Type 1 Wind-Powered Generation Resources (WGRs) and Type 2 Wind-powered Generation Resources (WGRs) Intermittent Renewable Resources Connected to the ERCOT Transmission Grid, to replace a placeholder with “August 1, 2024.” **Mr. Ross and Mr. Wise accepted the friendly amendment to the original motion. The motion to recommend approval of NOGRR245 as recommended by TAC in the 3/27/24 TAC Report as amended by the 6/5/24 ERCOT comments as revised by TAC carried with one objection from the Independent Retail Electric Provider (IREP) (Demand Control 2) Market Segment and ten abstentions from the Independent Generator (Luminant), Independent Power Marketer (IPM) (2) (Morgan Stanley, SENA), IREP (3) (Reliant, Rhythm Ops, APG&E), and Municipal (4) (GP&L, DME, CPS Energy, Austin Energy) Market Segments.** *(Please see ballot posted with Key Documents.)*

Other Business

There was no other business.

Ms. Smith adjourned the June 7, 2024 Special TAC meeting at 11:49 a.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at:

   <https://www.ercot.com/calendar/06072024-Special-TAC-Meeting-_> [↑](#footnote-ref-2)